

*Minutes of the Pre-bid Meeting*

Minutes of the Pre-Bid Meeting for Procurement of scientific equipment for NCSCM, Chennai, held on 06.12.2013, 11.30 AM, at the Conference Hall of NCSCM, Chennai.

**Members Present:**

1. Dr.B.R.Subramanian, Senior Scientific Consultant, NCSCM - Chairman
2. Dr.T.Balasubramaniam, Former Director and Dean, CAS in Marine Biology, Annamalai University.
3. Dr. Purvaja Ramachandran, Scientist G, NCSCM, Chennai
4. Dr.S.Srinivasalu, Associate Professor, IOM Anna University
5. Maj. Gen. Dr. B.Nagarajan, Senior Scientific Consultant, NCSCM
6. Dr. Robin R.S, Scientist C, NCSCM
7. Dr. Dipnarayanan Ganguly, Scientist C, NCSCM
8. Mr.Alok Ranjan Samal, Manager Finance, NCSCM
9. Mr. Pradeep Tripathy, Procurement Specialist, NCSCM

**Representatives of Participating Firms:**

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|-------------------------|--------------------------------------|
| 1. Mr.Philip Sudhagar   | M/s. Lab India Analytical Pvt Ltd.   |
| 2. Mr.S.Balaji          | M/s. Lab India Analytical Pvt Ltd.   |
| 3. Mr.V.Gopinath        | M/s.Perkin Elmer Pvt Ltd.            |
| 4. Mr.Arun Prakash.K    | M/s.Toshvin Analytical Pvt. Ltd.     |
| 5. Mr. S.R.Manivanan    | M/s..Spinco Biotech Pvt. Ltd.        |
| 6. Mr.K.Kannan          | M/s..Aimil Pvt. Ltd.                 |
| 7. Mr.A.Duraimani       | M/s. Lab India Equipment Pvt Ltd     |
| 8. Mr. Narasimha Murthy | M/s.SV Instruments Analytica Pvt Ltd |
| 9. Mr. Sanal Jagdishan  | M/s. Elcome Technologies Pvt Ltd     |
| 10. Mr. S.P.Raman       | M/s. Elcome Technologies Pvt Ltd     |

The pre-bid meeting was held under the chairmanship of Dr. B.R. Subramanian, Senior Scientific Consultant, NCSCM, Chennai. The Chairman welcomed all participants to the meeting.

The participants were invited to present their queries for the various instruments for which tender were called for. In response to the queries and suggestions made by the prospective bidders, the response is appended as Annexure-A.

The prospective bidders were invited to participate in the bidding process after careful consideration to provisions of the bid document published and possible amendment subsequent to the present pre-bid meeting.

**Queries and Clarifications made during Pre-BID meeting held for Procurement of Scientific Equipment for NCSCM, Chennai, on 06/12/2013**

Sl. No.	Particulars	Queries	Clarification/ Response
<b>Package- 2 : HPLC with Accessories</b>			
1.	Auto sampler:	In this technical specification of instrument it is mentioned as 'No. of Sample Vials: 90 vials of ~2 mL or more . Can it be changed to No. of sample vials: 4 ml vials of 50 numbers '?	Please refer to Amendment #1 dt. 12.12.2013
2.	Column Oven	In this technical specification of instrument it is mentioned as' Column Temp Control: ~20°C to ~90°C in 0.1°C increments'. Can this be changed to 'Column temperature control 20 degree to 80 degree C or more '?	-do-
3.	Detector	In this technical specification of instrument it is mentioned as 'The detector must have a dry noise specification of 10µAU, and a wet noise specification of 14µAU'. Can this be changed to PDA detector must have wet noise specification of 10 µ AU or less'?	-do-
4.	Detector	In this technical specification of instrument it is mentioned as' The detector must have only one/two lamp source(s) and not require more than one Lamp for operation across the entire detector wavelength range'. Can this be changed to 'The detector must have one/two lamp source(s) for operation across the entire detector wavelength range'?	-do-
<b>Package-13 for TOC analyser for Marine Samples</b>			
5.	Measured parameters	In this technical specification of instrument it is mentioned as 'Measuring range 4ppb-3000 ppm'. Can this be changed to 'Measuring range from ≤ 10ppb-60,000ppm ?	Please refer to Amendment #1 dt. 12.12.2013
6.	Working temperature range	It is mentioned as '20-40° C' can this be changed to 1100° C ?	-do-
7.	Instrument background correction and check function	In this technical specification of instrument it is mentioned as'Analyzer has built in ultra pure (Carbon free) water generation system, which enables to perform back ground correction/check function'. This seems to be proprietary and ultrapure water is very difficult. So we request you to remove this point.	-do-

Sl. No.	Particulars	Queries	Clarification/ Response
8.	Additional essential features	In this technical specification of instrument it is mentioned as 'High-salt sample combustion tube kit, Halogen scrubber, gas sample injection kit, POC measuring kit with sparger'. Can you add that 'it needs to have ash finger to avoid contamination of the catalyst'?	-do-
9.	Vial capacity	In this technical specification of instrument it is mentioned as '~25ml (External diameter ~25 x height ~85 mm); Vial septum'. Can this be changed to 12ml of 50 positions as this sample injection is less than 2 µl' ?	-do-
10.	Auto sampler	It is given as '~25 mL vial rack at least~80 sample capacity' Can this be changed to 12ml of 50 positions as this sample injection is less than 2 µl'?	-do-
<b>PACKAGE-4 Total Station with accessories</b>			
11.	Single circular prism	In this technical specification of instrument it is mentioned as '3000 m in manual mode or better and 800m in auto lock mode or better'. We request you to amend the distance as 2500 m or better.	No change in specification as the requirement is based on the nature of our specific study.
12.	360deg Prism	In this technical specification of instrument it is mentioned as '600m in auto lock range or better'. We request you to amend it to 400m in auto lock range or better.	-do-
13.	Keyboard	In this technical specification of instrument it is mentioned as 'Full Alphanumeric keyboard with function keys back-lighted and identical on both faces to be effectively used in traversing application'. We request you to amend it to 'Full alpha numeric key back-lighted one side display. The total station should be able to take phase- 1 and Phase- 2 measurements for traversing.	Please refer to Amendment #1 dt. 12.12.2013